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Specific heat of CePdP and CePdAs

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CePdAs which shows strong anisotropy in the electrical resistivity and the magnetic susceptibility, undergoes the magnetic transition around 4 K. We have prepared single crystals of CePdP and CePdAs and the reference La compounds. All compounds were confirmed to be crystallized in the hexagonal ZrBeSi-type structure. We have measured the specific heat $C(T)$ of them in the wide temperature range between 1.8 K and 300 K. $C(T)$ of CePdP and CePdAs show the sharp peaks due to the ferromagnetic transition at 5.2 K and 6.2 K, respectively. Below T_C , $C(T)$ of CePdAs exhibits a obvious jump at 4 K where no anomaly has been observed so far. Schottky-type anomalies which are ascribed to the CEF splitting of degenerated levels derived from total angularmoment $J = 5/2$ of Ce^{3+} ion were observed around 100 K in magnetic contribution $C(T)$ of CePdP and CePdAs, suggesting that the first and second excited doublets exist about 300 K above the ground state.